

ACT Profile Report - State

Graduating Class 2012
Connecticut



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2012 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2012 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

43% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 11,192 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 81% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 1% of the cohort took less than three years of math courses. Of these students, 28% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 23% of these students were college ready. In comparison, 72% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 4% of the cohort took less than three years of natural science courses. 22% of these students were college ready. In comparison, 49% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 24% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 508-229-0111.

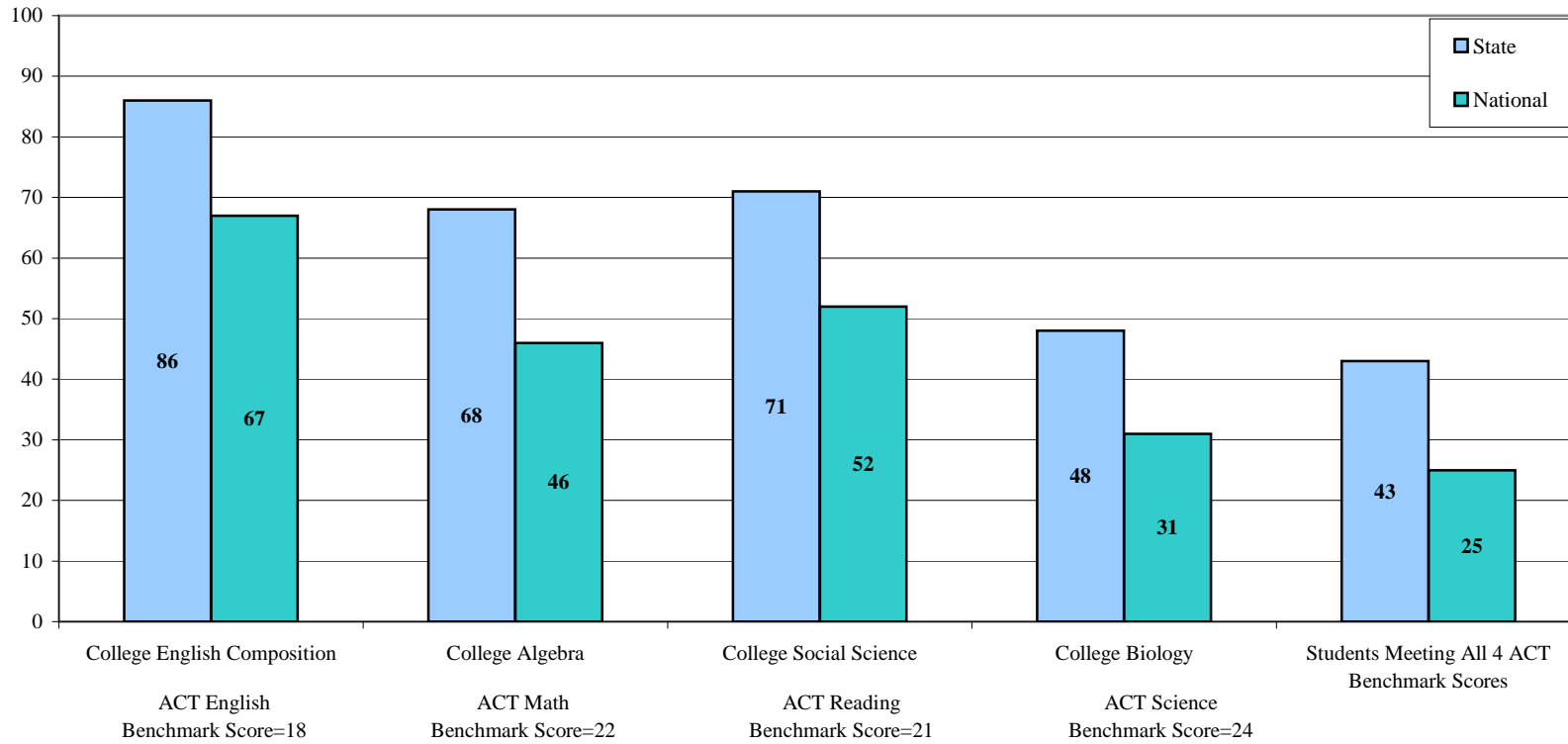
Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Total Students in Report: 11,192

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	8,159	1,421,941	84	68	62	43	69	53	40	28	34	22
2009	9,240	1,480,469	85	67	63	42	71	53	41	28	37	23
2010	10,453	1,568,835	86	66	65	43	70	52	45	29	39	24
2011	10,809	1,623,112	86	66	68	45	72	52	46	30	42	25
2012	11,192	1,666,017	86	67	68	46	71	52	48	31	43	25

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2008	8,159	1,421,941	23.2	20.6	23.3	21.0	23.6	21.4	22.3	20.8	23.3	21.1
2009	9,240	1,480,469	23.6	20.6	23.5	21.0	24.0	21.4	22.6	20.9	23.5	21.1
2010	10,453	1,568,835	23.8	20.5	23.5	21.0	23.9	21.3	22.9	20.9	23.7	21.0
2011	10,809	1,623,112	24.0	20.6	23.9	21.1	24.1	21.3	23.1	20.9	23.9	21.1
2012	11,192	1,666,017	23.9	20.5	23.8	21.1	23.9	21.3	23.2	20.9	23.8	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores				
			English	Mathematics	Reading	Science	Composite
2008	1,421,941		20.6	21.0	21.4	20.8	21.1
2009	1,480,469		20.6	21.0	21.4	20.9	21.1
2010	1,568,835		20.5	21.0	21.3	20.9	21.0
2011	1,623,112		20.6	21.1	21.3	20.9	21.1
2012	1,666,017		20.5	21.1	21.3	20.9	21.1

Total Students in Report: 11,192

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2008	5,039	1,798	62	22	23.5	22.3	23.5	22.3	23.8	22.7	22.6	21.5	23.5	22.4
2009	7,318	1,590	79	17	24.0	22.5	23.8	22.4	24.4	22.8	22.9	21.8	23.9	22.5
2010	8,561	1,687	82	16	24.1	22.6	23.8	22.4	24.2	22.7	23.2	21.8	24.0	22.5
2011	8,886	1,736	82	16	24.3	23.2	24.2	23.0	24.4	23.3	23.3	22.2	24.1	23.1
2012	9,089	1,867	81	17	24.1	22.9	24.0	22.9	24.2	23.1	23.4	22.3	24.0	22.9

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

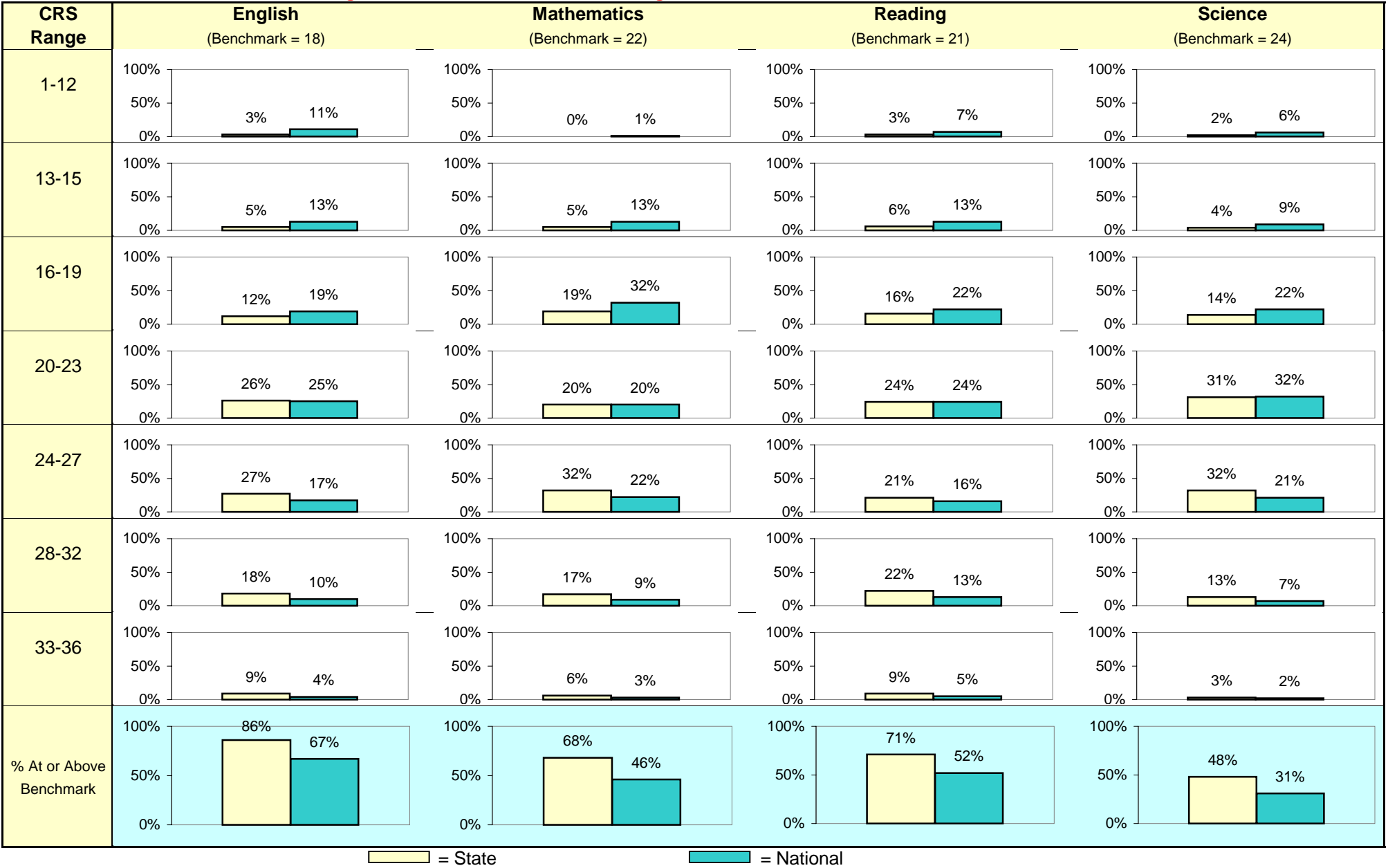
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	8,159	100	23.3	9,240	100	23.5	10,453	100	23.7	10,809	100	23.9	11,192	100	23.8
Black/African American	410	5	18.4	462	5	18.4	545	5	18.8	611	6	18.7	643	6	18.8
American Indian/Alaska Native	22	0	21.7	18	0	20.5	25	0	21.1	20	0	22.2	21	0	21.4
White	5,369	66	23.4	6,856	74	23.8	7,910	76	24.0	8,117	75	24.4	8,150	73	24.2
Hispanic/Latino	348	4	20.9	411	4	21.1	476	5	21.6	656	6	21.4	734	7	21.8
Asian	265	3	24.8	338	4	25.1	459	4	25.7	479	4	25.4	578	5	25.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	1	0	17.0	18	0	23.1
Two or more races	135	2	22.7	167	2	22.3	204	2	22.8	182	2	23.4	265	2	23.7
Prefer not to respond/No response	1,610	20	24.3	988	11	24.6	834	8	23.8	743	7	24.4	783	7	24.7

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



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Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 11,192

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	64	100	71	100	142	100	86	100	9	100	36
35	252	99	152	99	156	99	101	99	46	100	35
34	351	97	237	98	265	97	74	98	126	100	34
33	318	94	260	96	401	95	106	98	197	98	33
32	321	91	233	94	421	91	218	97	302	97	32
31	344	88	245	91	539	88	259	95	384	94	31
30	447	85	357	89	483	83	290	92	464	90	30
29	427	81	389	86	478	78	290	90	560	86	29
28	477	77	638	83	507	74	415	87	628	81	28
27	682	73	725	77	546	70	844	84	731	76	27
26	677	67	998	70	528	65	577	76	766	69	26
25	676	61	854	62	545	60	957	71	872	62	25
24	931	55	1,055	54	766	55	1,151	62	876	55	24
23	717	47	795	44	740	48	923	52	860	47	23
22	714	40	590	37	673	42	948	44	816	39	22
21	825	34	340	32	736	36	872	35	720	32	21
20	638	27	509	29	537	29	774	28	616	25	20
19	416	21	494	25	523	24	584	21	527	20	19
18	325	17	501	20	527	20	431	15	437	15	18
17	296	14	533	16	401	15	303	12	386	11	17
16	340	12	610	11	287	11	255	9	281	8	16
15	304	9	387	5	333	9	202	7	214	5	15
14	178	6	141	2	200	6	157	5	147	3	14
13	94	4	48	1	177	4	136	3	114	2	13
12	88	3	17	1	136	3	81	2	55	1	12
11	90	3	8	1	70	1	58	1	32	1	11
10	82	2	2	1	36	1	59	1	16	1	10
9	56	1	1	1	23	1	16	1	7	1	9
8	37	1	1	1	8	1	12	1	2	1	8
7	13	1	1	1	3	1	5	1	0	1	7
6	6	1	0	1	1	1	7	1	1	1	6
5	4	1	0	1	2	1	0	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	1	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	1	1	0	1	1	1	0	1	0	1	1
Avg (SD)	23.9 (5.9)		23.8 (5.3)		23.9 (6.0)		23.2 (4.9)		23.8 (5.0)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 11,192

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	864	100	217	100	491	100	692	100	959	100	225	100	298	100	18
17	833	92	354	98	816	96	1,013	94	955	91	141	98	67	97	17
16	1,057	85	1,149	95	985	88	1,061	85	734	83	657	97	731	97	16
15	711	75	1,037	85	818	80	899	75	1,097	76	724	91	1,149	90	15
14	1,192	69	1,457	75	1,011	72	1,106	67	1,145	67	1,545	84	1,270	80	14
13	570	58	1,302	62	1,160	63	1,130	57	1,287	56	1,780	71	1,414	69	13
12	1,155	53	1,422	51	1,210	53	970	47	1,216	45	1,289	55	1,572	56	12
11	1,171	43	1,332	38	920	42	864	39	961	34	1,268	43	1,334	42	11
10	1,158	33	837	26	944	34	856	31	752	25	1,360	32	1,109	30	10
9	709	22	841	19	926	25	794	23	549	19	805	20	791	20	9
8	622	16	437	11	723	17	683	16	648	14	651	12	621	13	8
7	464	10	326	7	627	11	391	10	553	8	334	7	438	7	7
6	262	6	174	4	282	5	359	7	209	3	193	4	144	4	6
5	183	4	142	3	138	2	243	3	73	1	96	2	90	2	5
4	125	2	108	1	93	1	67	1	34	1	44	1	111	1	4
3	82	1	43	1	32	1	47	1	13	1	43	1	13	1	3
2	30	1	12	1	10	1	16	1	6	1	9	1	29	1	2
1	4	1	2	1	6	1	1	1	1	1	28	1	11	1	1
Avg (SD)	12.3 (3.7)		12.2 (3.0)		12.1 (3.5)		12.4 (3.6)		12.8 (3.4)		11.8 (2.9)		11.9 (2.9)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	28	27	29	26	27
Q2 (50th Percentile)	24	24	24	23	24
Q1 (25th Percentile)	20	20	20	20	20

Total Students in Report: 11,192

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	11,192	81	24.0	22.9
	Black/African American	643	75	18.8	18.7
	American Indian/Alaska Native	21	86	21.7	20.0
	White	8,150	83	24.4	23.4
	Hispanic/Latino	734	77	22.1	20.9
	Asian	578	78	25.6	25.0
	Native Hawaiian/Other Pac. Isl.	18	72	23.9	21.0
	Two or more races	265	84	24.1	21.6
	Prefer not/No Response	783	78	25.1	24.1
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity¹

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	23.9	23.8	23.9	23.2	23.8
	Black/African American	18.2	19.0	18.9	18.5	18.8
	American Indian/Alaska Native	21.0	21.6	21.5	21.3	21.4
	White	24.4	24.0	24.4	23.5	24.2
	Hispanic/Latino	21.7	21.7	22.0	21.4	21.8
	Asian	24.7	27.3	24.7	24.7	25.5
	Native Hawaiian/Other Pac. Isl.	21.7	23.9	24.1	22.2	23.1
	Two or more races	23.8	23.5	23.9	23.1	23.7
	Prefer not/No Response	25.0	24.8	24.9	23.7	24.7
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 11,192

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	985	9	720	6	964	9	367	3
	28 to 32	2,016	18	1,862	17	2,428	22	1,472	13
	24 to 27	2,966	27	3,632	32	2,385	21	3,529	32
	20 to 23	2,894	26	2,234	20	2,686	24	3,517	31
	16 to 19	1,377	12	2,138	19	1,738	16	1,573	14
	13 to 15	576	5	576	5	710	6	495	4
	01 to 12	378	3	30	0	281	3	239	2
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	4,892	44	23.4	24.5	23.8	23.7	23.9
	Females	6,296	56	24.3	23.3	24.1	22.8	23.7
	Missing	4	0	18.5	20.0	20.0	19.8	19.8
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	17.5

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	83	72	70	52	47
	Females	88	65	72	45	40
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 11,192

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	9,089	88	24.1	70	24.0	72	24.2	49	23.4	44	24.0
	Less than Core	1,867	78	22.9	59	22.9	64	23.1	43	22.3	38	22.9
	Missing ³	236	79	22.2	65	23.1	66	22.8	40	22.0	36	22.7
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	10,784	86	24.0	10,847	68	23.8	9,614	71	24.0	10,481	49	23.3
	Less than Core	184	66	20.4	114	28	18.6	1,349	68	23.8	480	22	19.9
	Missing ³	224	81	22.5	231	66	23.3	229	66	22.9	231	41	22.1
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

³ Zero years or no coursework information reported in the specified content area.

Section III

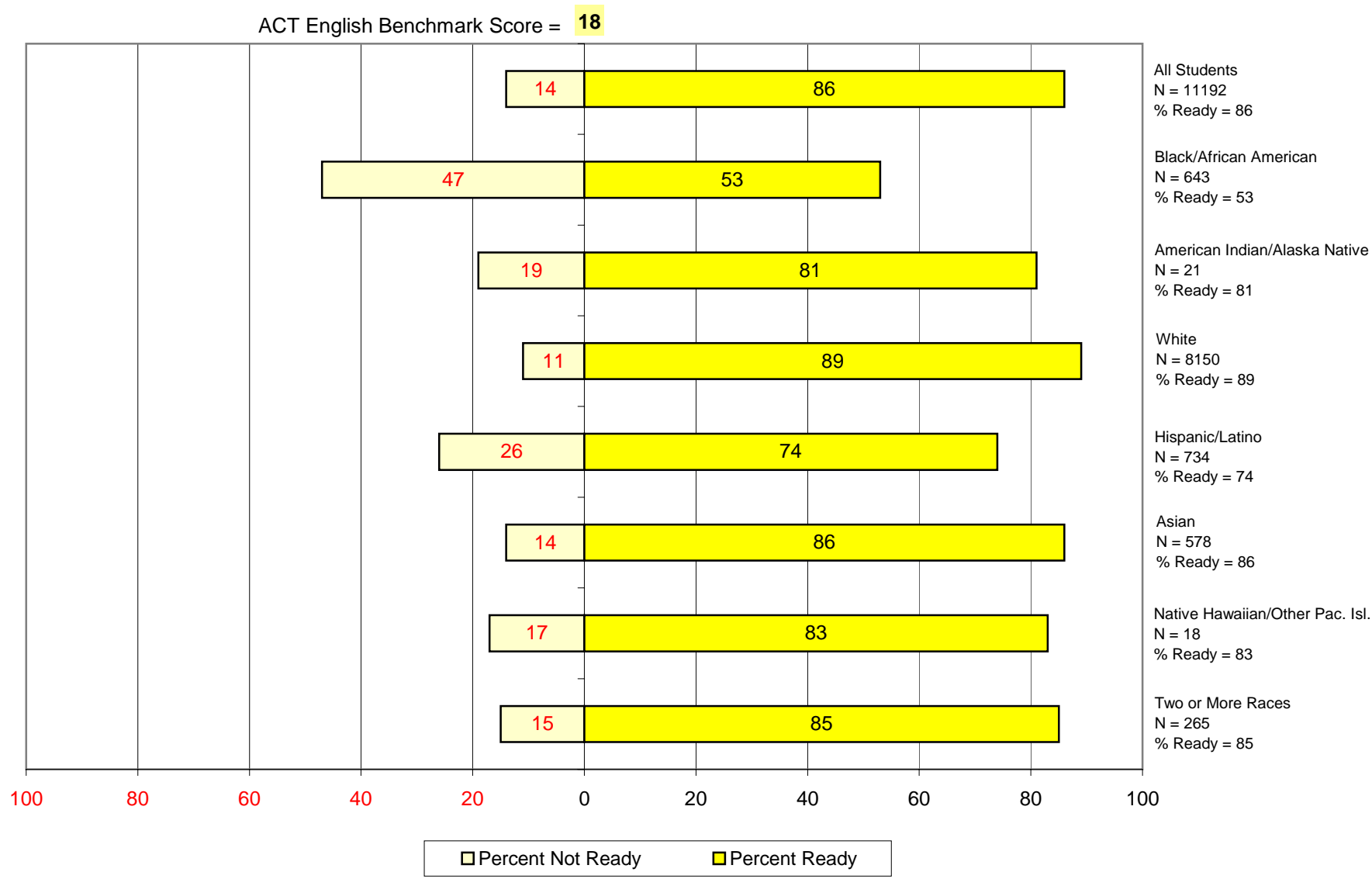
College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 11,192

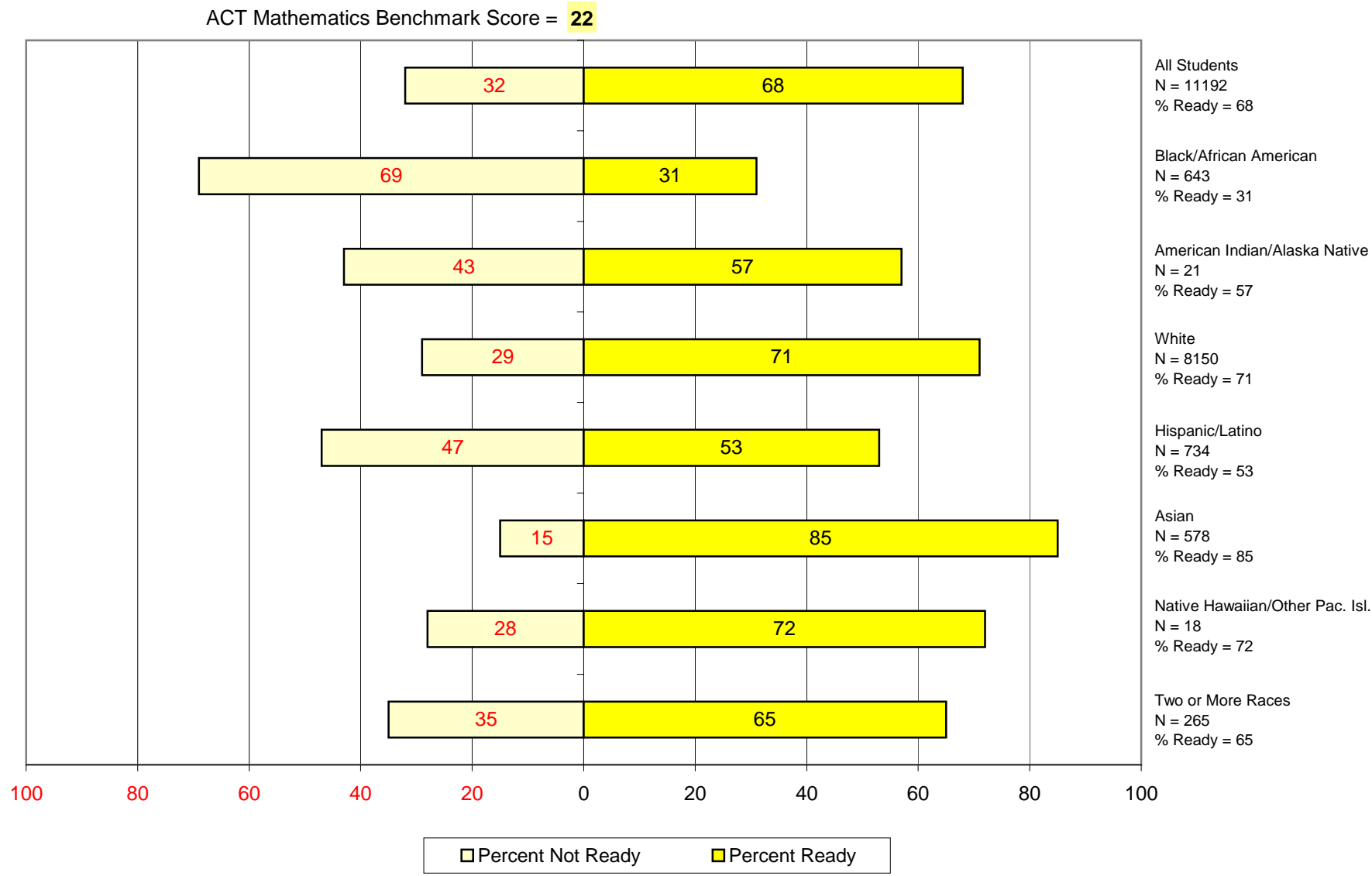
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 11,192

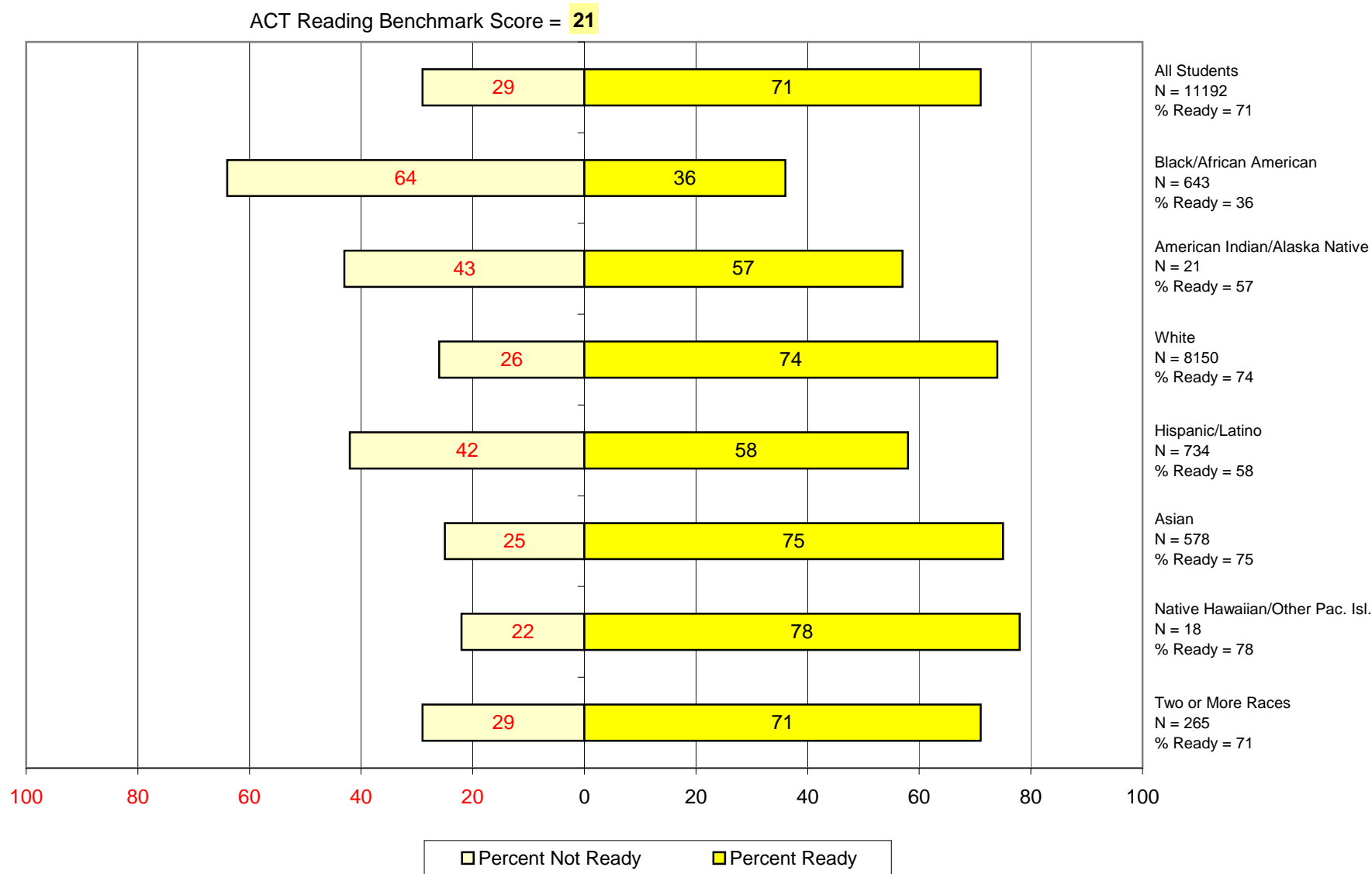
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 11,192

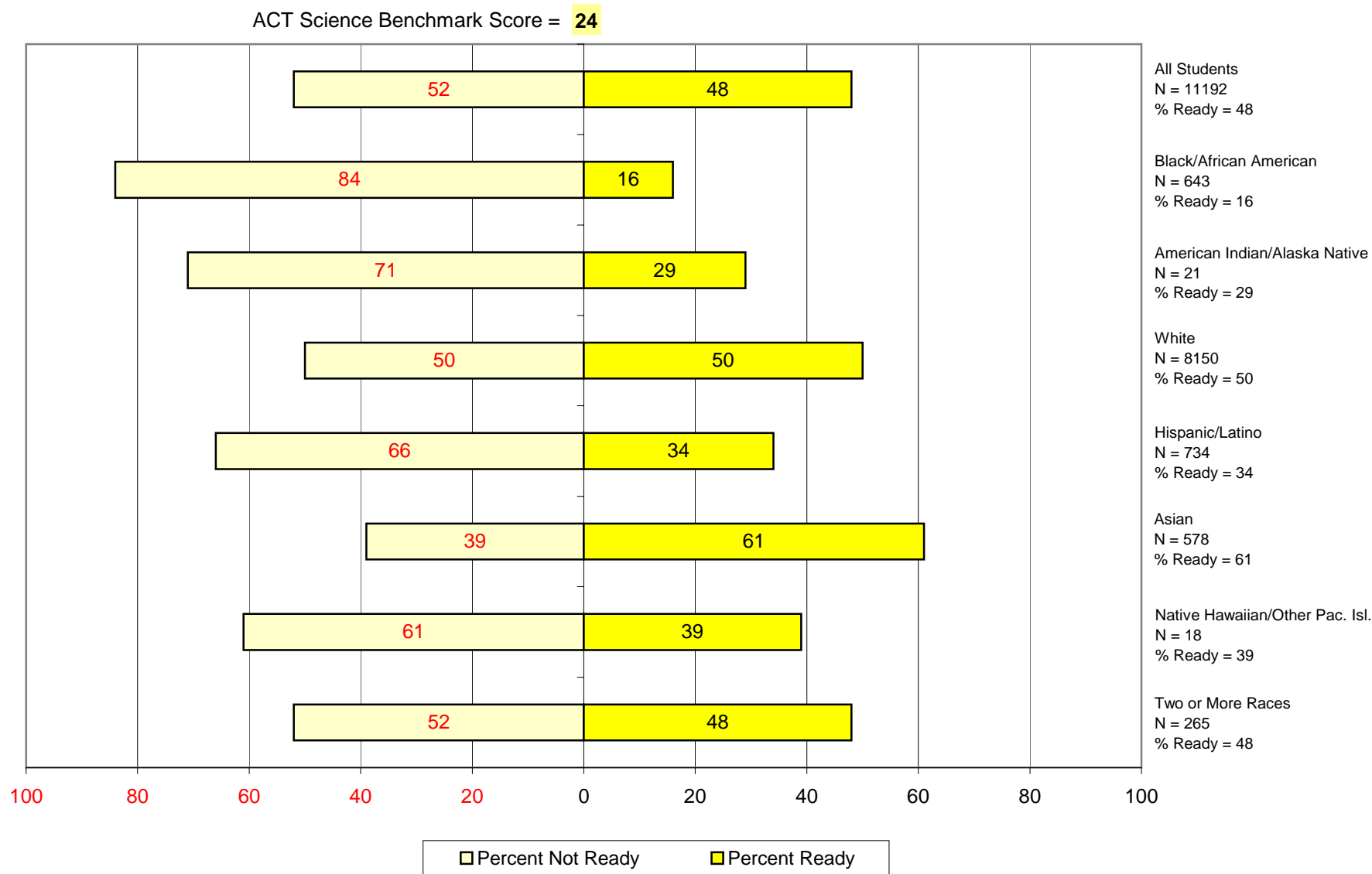
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 11,192

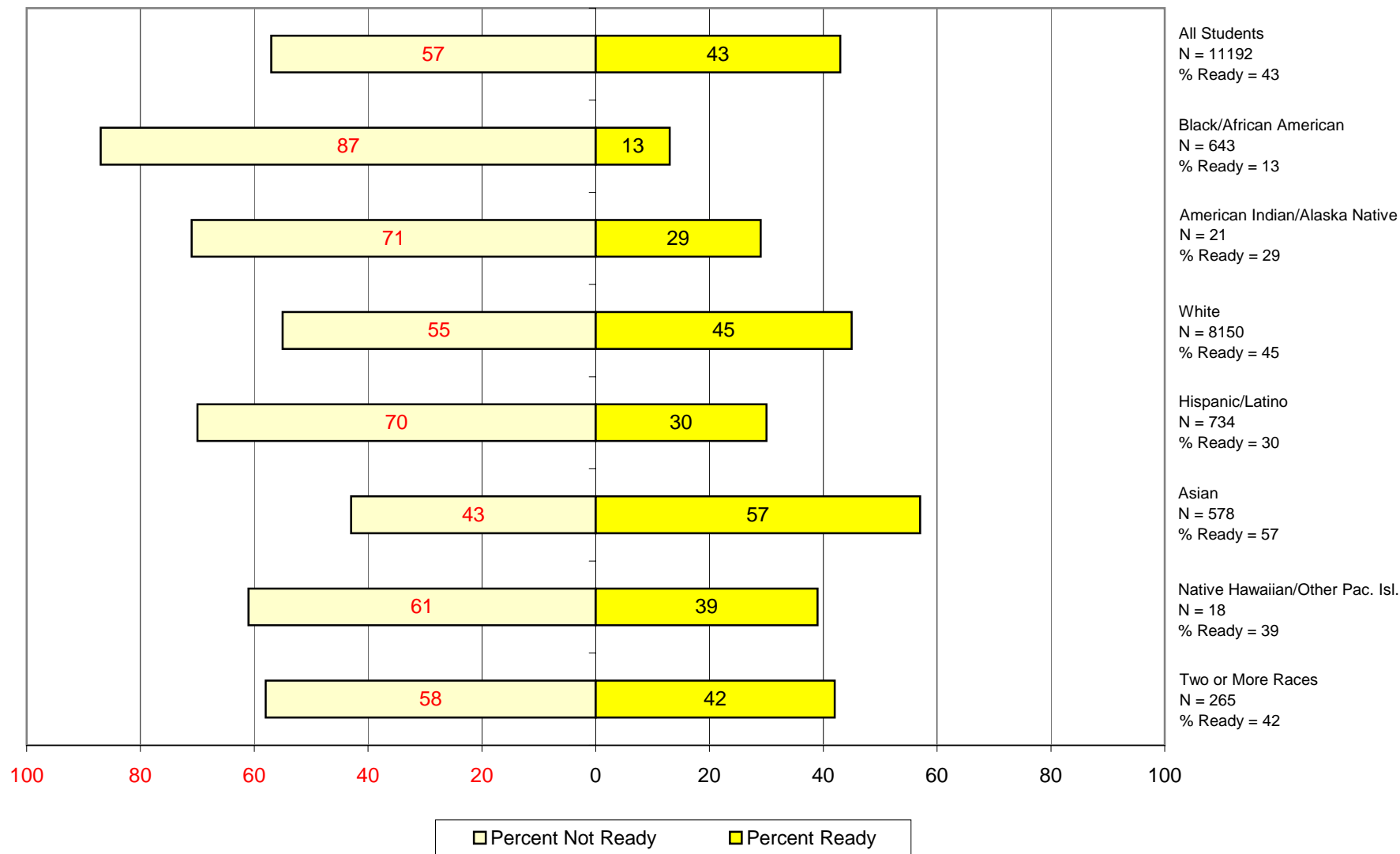
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 11,192

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 11,192

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	3,195	29	24.3	3.9	1,223	25	23.7	4.1	1,972	31	24.6	3.3
Eng 9, Eng 10, Eng 11, Eng 12	7,589	68	23.9	3.5	3,457	71	23.4	3.8	4,129	66	24.2	2.9
Less than 4 years of English	184	2	20.4	-	97	2	19.6	-	87	1	21.3	-
Zero years / no English courses reported	224	2	22.5	-	115	2	21.5	-	108	2	23.5	-
MATHEMATICS COURSE PATTERN												
	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	993	9	26.3	7.7	438	9	26.7	7.2	555	9	26.0	8.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	981	9	23.0	4.4	357	7	23.1	3.6	624	10	22.9	5.1
Alg 1, Alg 2, Geom, & Trig	486	4	20.6	2.0	200	4	20.7	1.2	286	5	20.6	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	2,020	18	21.2	2.6	741	15	21.8	2.3	1,277	20	20.9	3.1
Other comb of 4 or more years of Math	5,106	46	25.7	7.1	2,474	51	26.3	6.8	2,631	42	25.2	7.4
Alg 1, Alg 2, & Geom	727	6	18.3	-0.3	290	6	18.4	-1.1	437	7	18.2	0.4
Other comb of 3 or 3.5 years of Math	534	5	23.3	4.7	219	4	23.9	4.4	315	5	22.8	5.0
Less than 3 years of Math	114	1	18.6	-	53	1	19.5	-	61	1	17.8	-
Zero years / no Math courses reported	231	2	23.3	-	120	2	23.1	-	110	2	23.5	-
SOCIAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	1,202	11	25.0	1.2	566	12	24.0	0.5	636	10	25.8	1.7
Other comb of 4 or more years Social Science	4,601	41	24.0	0.2	2,095	43	23.8	0.3	2,505	40	24.1	0.0
US Hist, World Hist, & Am Gov	953	9	23.6	-0.2	412	8	23.4	-0.1	540	9	23.8	-0.3
Other comb of 3 or 3.5 years of Social Science	2,858	26	23.7	-0.1	1,097	22	23.9	0.4	1,760	28	23.6	-0.5
Less than 3 years of Social Science	1,349	12	23.8	-	602	12	23.5	-	747	12	24.1	-
Zero years / no Social Science courses reported	229	2	22.9	-	120	2	22.4	-	108	2	23.5	-
NATURAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	6,523	58	23.8	3.9	3,027	62	24.3	4.5	3,496	56	23.3	3.4
Bio, Chem, Phys	1,459	13	25.3	5.4	616	13	26.0	6.2	842	13	24.7	4.8
Gen Sci ² , Bio, Chem	2,385	21	21.0	1.1	878	18	21.0	1.2	1,505	24	21.0	1.1
Other comb of 3 years of Natural Science	114	1	21.6	1.7	65	1	22.0	2.2	49	1	21.1	1.2
Less than 3 years of Natural Science	480	4	19.9	-	185	4	19.8	-	295	5	19.9	-
Zero years / no Natural Science courses reported	231	2	22.1	-	121	2	21.9	-	109	2	22.2	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 11,192

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	3,195	29	24.3	87	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	7,589	68	23.9	86	1,178,400	71	20.5	67
Less than 4 years of English	184	2	20.4	66	64,748	4	16.5	41
Zero years / no English courses reported	224	2	22.5	81	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	993	9	26.3	86	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	981	9	23.0	69	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	486	4	20.6	45	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	2,020	18	21.2	51	279,658	17	19.9	36
Other comb of 4 or more years of Math	5,106	46	25.7	81	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	727	6	18.3	23	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	534	5	23.3	64	82,509	5	19.9	35
Less than 3 years of Math	114	1	18.6	28	69,741	4	16.6	8
Zero years / no Math courses reported	231	2	23.3	66	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	1,202	11	25.0	76	47,179	3	22.3	59
Other comb of 4 or more years Social Science	4,601	41	24.0	72	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	953	9	23.6	68	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	2,858	26	23.7	69	452,172	27	21.2	51
Less than 3 years of Social Science	1,349	12	23.8	68	149,266	9	19.7	40
Zero years / no Social Science courses reported	229	2	22.9	66	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	6,523	58	23.8	53	740,499	44	21.9	39
Bio, Chem, Phys	1,459	13	25.3	67	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	2,385	21	21.0	29	466,992	28	20.0	22
Other comb of 3 years of Natural Science	114	1	21.6	35	45,992	3	19.5	20
Less than 3 years of Natural Science	480	4	19.9	22	194,661	12	18.4	13
Zero years / no Natural Science courses reported	231	2	22.1	41	46,139	3	17.9	14

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 11,192

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	94	1	22.4	2	2	16.5	81	1	23.0
Architecture	111	1	24.2	1	1	30.0	86	1	23.9
Area, Ethnic, & Multidisciplinary Studies	32	0	25.1	0	0	.	24	0	24.6
Arts: Visual & Performing	508	5	22.6	2	2	19.5	436	5	22.6
Business	1,453	13	23.3	19	23	19.9	1,218	14	23.2
Communications	435	4	23.1	3	4	22.0	359	4	22.9
Community, Family, & Personal Services	119	1	20.1	3	4	16.3	107	1	20.1
Computer Science & Mathematics	209	2	25.8	1	1	16.0	169	2	25.4
Education	597	5	21.3	5	6	16.4	515	6	21.3
Engineering	792	7	26.0	5	6	22.0	672	7	26.0
Engineering Technology & Drafting	59	1	21.9	3	4	16.0	48	1	22.2
English & Foreign Languages	246	2	26.2	1	1	25.0	198	2	26.1
Health Administration & Assisting	112	1	19.8	7	8	16.6	85	1	20.1
Health Sciences & Technologies	1,472	13	22.8	6	7	18.3	1,294	14	22.8
Philosophy, Religion, & Theology	46	0	25.2	1	1	19.0	36	0	24.9
Repair, Production, & Construction	14	0	17.0	3	4	16.3	9	0	18.1
Sciences: Biological & Physical	1,014	9	25.7	2	2	16.5	868	10	25.6
Social Sciences & Law	1,118	10	23.5	3	4	19.3	958	11	23.5
Undecided	2,503	22	24.5	13	16	20.2	1,719	19	24.3
No Response	256	2	22.7	3	4	18.7	85	1	23.8

¹Refer to the section header on page 25 for a description of educational major changes.

²2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 11,192

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	32	20.3	5	15.2	1	15.0	16	22.5	4	18.5
2-yr College Degree	51	18.3	6	13.3	1	12.0	33	19.2	4	15.5
Bachelors Degree	3,687	21.9	200	16.8	7	22.0	2,882	22.4	242	20.2
Graduate Study	2,997	24.6	112	20.2	7	23.1	2,314	24.9	162	22.9
Prof. Level Degree	2,285	25.4	199	20.4	3	23.7	1,453	26.0	194	23.3
Other	129	22.2	11	16.7	0	.	80	23.0	17	20.4
No Response	2,011	24.6	110	18.7	2	18.0	1,372	25.1	111	22.0

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	32	20.3	4	22.3	0	.	0	.	2	17.5
2-yr College Degree	51	18.3	2	24.5	0	.	2	20.0	3	17.7
Bachelors Degree	3,687	21.9	106	22.5	5	21.6	85	21.2	160	22.1
Graduate Study	2,997	24.6	122	25.8	4	22.8	73	25.2	203	24.8
Prof. Level Degree	2,285	25.4	210	26.5	4	25.8	53	25.6	169	26.5
Other	129	22.2	5	20.8	0	.	3	20.3	13	25.3
No Response	2,011	24.6	129	26.2	5	22.8	49	24.3	233	25.3

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 11,192

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF CONNECTICUT	Connecticut	986	372	614	0	4	15	32	29	18	2
CENTRAL CONNECTICUT STATE UNIVERSITY	Connecticut	302	100	202	2	12	32	31	19	3	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	278	278	0	1	6	32	34	19	7	1
QUINNIPIAC UNIVERSITY	Connecticut	241	65	176	0	6	17	36	32	7	1
SOUTHERN CONNECTICUT STATE UNIVERSITY	Connecticut	215	43	172	4	14	35	31	15	1	0
EASTERN CONNECTICUT STATE UNIVERSITY	Connecticut	214	42	172	2	9	36	34	15	4	0
BOSTON UNIVERSITY	Massachusetts	209	71	138	0	1	5	18	43	31	3
NORTHEASTERN UNIVERSITY	Massachusetts	201	61	140	0	0	3	15	39	39	2
UNIVERSITY OF RHODE ISLAND	Rhode Island	172	33	139	2	2	25	39	24	8	1
WESTERN CONNECTICUT STATE UNIVERSITY	Connecticut	172	54	118	1	16	35	26	16	3	2
UNIVERSITY OF NEW HAVEN	Connecticut	151	59	92	3	9	36	32	17	3	1
BOSTON COLLEGE	Massachusetts	131	44	87	0	2	4	11	43	38	3
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	123	14	109	2	1	13	36	37	12	0
NCAA ELIGIBILITY CENTER	Indiana	120	86	34	1	9	13	31	26	18	3
SACRED HEART UNIVERSITY	Connecticut	117	23	94	3	10	26	35	21	4	0
NEW YORK UNIVERSITY	New York	108	36	72	2	2	6	26	36	24	4
UNIVERSITY OF HARTFORD	Connecticut	105	26	79	2	10	30	38	16	3	1
UNIVERSITY OF VERMONT	Vermont	105	19	86	0	0	5	26	41	29	0
YALE UNIVERSITY	Connecticut	105	42	63	0	6	6	12	23	44	10
ROGER WILLIAMS UNIVERSITY	Rhode Island	101	21	80	1	6	16	45	29	4	0
FAIRFIELD UNIVERSITY	Connecticut	92	24	68	2	13	22	24	32	7	1
BROWN UNIVERSITY	Rhode Island	82	20	62	0	2	4	16	29	43	6
FORDHAM UNIVERSITY	New York	80	22	58	3	0	14	28	28	25	4
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	66	10	56	0	3	12	35	35	15	0
MARIST COLLEGE	New York	65	20	45	0	3	8	31	46	12	0
TUFTS UNIVERSITY	Massachusetts	62	17	45	0	0	2	10	34	50	5
WESTERN NEW ENGLAND UNIVERSITY	Massachusetts	62	11	51	0	5	27	34	27	6	0
UNIVERSITY OF DELAWARE	Delaware	60	17	43	0	2	5	27	52	13	2
ENDICOTT COLLEGE	Massachusetts	57	25	32	0	5	21	49	23	2	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	57	14	43	0	4	11	21	47	14	4
All Other Institutions		5,480	1,449	4,031	1	5	15	25	29	21	3
Total		10,319	3,118	7,201	1	6	17	27	28	18	2

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 11,192

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	9,784	931,148	24.4	21.5	8.2	7.1	23.9	20.7
Black/African American	542	113,247	18.8	16.6	7.2	6.2	19.0	16.4
American Indian/Alaska Native	17	5,233	21.6	17.8	8.1	6.5	21.7	17.5
White	7,107	518,974	24.8	23.2	8.2	7.2	24.3	22.1
Hispanic/Latino	639	150,249	22.0	18.5	7.8	6.8	21.8	18.3
Asian	529	53,381	25.1	23.7	8.3	7.6	24.5	22.8
Native Hawaiian/Other Pac. Isl.	14	2,851	22.9	19.9	8.1	7.1	22.7	19.6
Two or more races	241	32,346	24.1	21.9	8.1	7.1	23.7	21.1
Prefer not/No Response	695	54,867	25.4	21.8	8.3	7.1	24.8	21.0
Males	4,189	413,617	23.9	21.2	8.0	6.8	23.4	20.3
Females	5,591	515,745	24.7	21.7	8.3	7.2	24.2	21.1
Missing	4	1,786	18.5	16.8	7.8	6.3	19.5	16.6

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

